

S/N To be assigned

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Korpela, et al Serial No.: To be assigned
Filed: CONCURRENT HERewith Docket No.: 796.418USW1
Title: FORMING A COMMUNICATION NETWORK

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By: 

Name: Lee Thao

PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

CLAIMS

Please amend claims 1-6 as follows. A clean copy of the amended and new claims is included below. A marked up copy of the entire claim set is included in Appendix A.

1. (Amended) An arrangement for forming a communications network, wherein the arrangement comprises modules, each module handling forming of a certain physical or logical part of the network concerning a specific technology, a set of the modules, selected to form the network together, the set of the modules arranged to be one on top of another, each module in the set interacting with the module above by offering resources to it, and with the module below by using resources from it.

2. (Amended) An arrangement according to claim 1, wherein the set of the modules in use are selectable depending on the network structure.

3. (Amended) An arrangement according to claim 1, wherein a module is capable to form several physical or logical parts.

4. (Amended) An arrangement according to claim 1, wherein routing is performed in a single module in the set at a time, and the interactions between modules in the set transfer the routing performed for the use of other modules, in a way that the routes in the modules above the bottom module are found in the bottom module.

5. (Amended) A method for forming a communications network, wherein method comprises the steps of:

modeling the network into several functional levels on top of one another, each level representing a certain physical or logical part of the network concerning a specific technology,

forming each functional level in specific modules, the specific module corresponding to the specific level,

the specific module interacting with the module corresponding to the layer above by offering resources to it, and with the module corresponding to the layer below by using resources from it.

6. (Amended) A method according to claim 5, wherein routing is performed in a single module at a time, and the interactions between modules transfer the routing performed for the use of other modules.

REMARKS

The above preliminary amendment is made to remove multiple dependencies from claims and amend claims 1-6.

Applicant respectfully requests that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

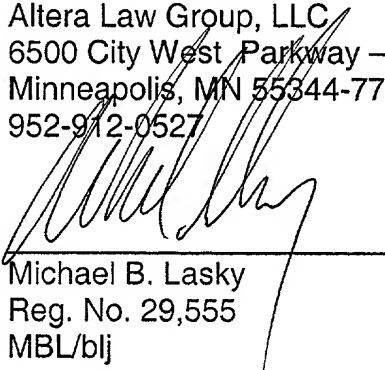
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicant's attorney of record, Michael B. Lasky at 952-912-0527.

Respectfully submitted,

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Date: December 18, 2001

By:



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FOIA b 5 - DECLASSIFIED

Appendix A
Marked Up Version of Entire Claim Set

1. (Amended) An arrangement for forming a communications network, [c h a r a c t e r i z e d in that] wherein the arrangement comprises modules, each module handling forming of a certain physical or logical part of the network concerning a specific technology, a set of the modules, selected to form the network together, the set of the modules arranged to be one on top of another, each module in the set interacting with the module above by offering resources to it, and with the module below by using resources from it.

2. (Amended) An arrangement according to claim 1, [c h a r a c t e r i z e d in that] wherein the set of the modules in use are selectable depending on the network structure.

3. (Amended) An arrangement according to claim 1 [or 2], [c h a r a c t e r i z e d in that] wherein a module is capable to form several physical or logical parts.

4. (Amended) An arrangement according to claim 1, [c h a r a c t e r i z e d in that] wherein routing is performed in a single module in the set at a time, and the interactions between modules in the set transfer the routing performed for the use of other modules, in a way that the routes in the modules above the bottom module are found in the bottom module.

5. (Amended) A method for forming a communications network, [c h a r a c t e r i z e d in that] wherein method comprises the steps of:

modeling the network into several functional levels on top of one another, each level representing a certain physical or logical part of the network concerning a specific technology,

forming each functional level in specific modules, the specific module corresponding to the specific level,

the specific module interacting with the module corresponding to the layer above by offering resources to it, and with the module corresponding to the layer below by using resources from it.

6. (Amended) A method according to claim 5, [c h a r a c t e r i z e d in that] wherein routing is performed in a single module at a time, and the interactions between modules transfer the routing performed for the use of other modules.